

BERNINA®



BERNINA® 1011
Electronic

Instructions Manual



BERNINA® 1011
Electronic

Important Safety Instructions

When using an electrical appliance, basic safety precautions should always be followed, including the following:

Read all instructions before using this sewing machine.

DANGER

To reduce the risk of electric shock:

1. An appliance should never be left unattended when plugged in.
2. Always unplug this appliance from the electrical outlet immediately after using and before cleaning.
3. Always unplug before replacing fluorescent bulb with same type rated 15 Watts.

WARNING

To reduce the risk of burns, fire, electric shock, or injury to persons:

1. Do not allow to be used as a toy. Close attention is necessary when this appliance is used by or near children.
2. Use this appliance only for its intended use as described in this manual. Use only attachments recommended by the manufacturer as confirmed in this manual.
3. Never operate this appliance if it has a damaged cord or plug, if it is not working properly, if it has been dropped or damaged, or dropped into water. Return the appliance to the nearest authorized dealer or service center for examination, repair, electrical or mechanical adjustment.

4. Never operate the appliance with any air openings blocked. Keep ventilation openings of the sewing machine and foot control free from accumulation of lint, dust, and loose cloth.

5. Keep fingers away from all moving parts. Special care is required around the sewing machine needle.

6. Always use the proper needle plate. The wrong plate can cause the needle to break.

7. Do not use bent needles.

8. Do not pull or push fabric while stitching. It may deflect the needle causing it to break.

9. Switch the sewing machine off (-0-) when making any adjustments in the needle area, such as: threading needle, changing needle, threading bobbin, or changing presser foot, and the like.

10. Always unplug sewing machine from the electrical outlet when removing covers, lubricating, or when making any other user servicing adjustments mentioned in the instruction manual.

11. Never drop or insert any object into any opening.

12. Do not use outdoors.

13. Do not operate where aerosol (spray) products are being used or where oxygen is being administered.

14. To disconnect, turn all controls to the off (-0-) position, then remove plug from outlet.

15. Do not unplug by pulling on cord. To unplug, grasp the plug, not the cord.

Grounding Instructions (for U.S.A. only)

This product must be grounded. In the event of malfunction or breakdown, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. This product is equipped with a cord having an equipment-grounding conductor and a grounding plug. The plug must be plugged into an appropriate outlet that is properly installed and grounded in accordance with all local codes and ordinances.

2-pole receptacle as shown in sketch B if a properly grounded outlet is not available. The temporary adaptor should be used only until a properly grounded outlet can be installed by a qualified electrician. The green colored rigid ear, lug and the like, extending from the adaptor must be connected to a permanent ground such as a properly grounded outlet box cover. Whenever the adaptor is used, it must be held in place by the metal screw.

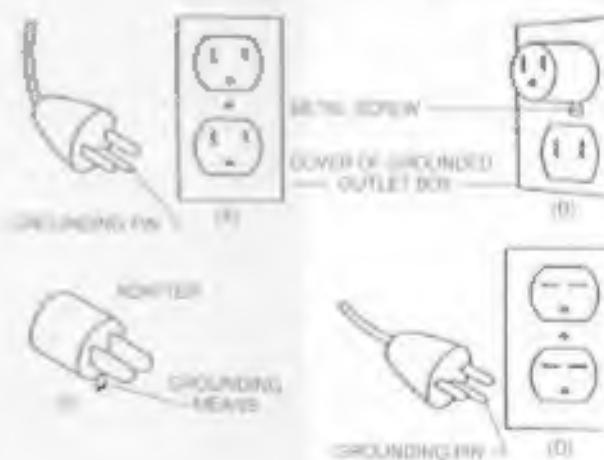
DANGER

Improper connection of the equipment-grounding conductor can result in a risk of electric shock. The conductor with insulation having an outer surface that is green with or without yellow stripes is the equipment-grounding conductor. If repair or replacement of the cord or plug is necessary do not connect the equipment-grounding conductor to a live terminal. Check with a qualified electrician or serviceman if the grounding instructions are not completely understood, or if in doubt as to whether the product is properly grounded.

Do not modify the plug provided with the product. If it will not fit the outlet, have a proper outlet installed by a qualified electrician.

This product is for use on a nominal 120 V circuit, and has a grounding plug that looks like the plug illustrated in sketch A. A temporary adapter, which looks like the adaptor illustrated in sketches B and C, may be used to connect this plug to a

GROUNDING METHODS



Save these instructions

This sewing machine is intended for household use only.



Dear Bernina Customer

Congratulations on choosing a Bernina 1011. You are now the proud owner of a sewing machine which fulfills every expectation in terms of use and quality. You own a first class product which will give you sewing pleasure for many years to come.

Some hundred years ago, my great grandfather invented the first ever domestic machine. This was the beginning of the Bernina family business and I am proud to be the fourth generation member of the family to have responsibility for the company. I am delighted to welcome you to the millions of satisfied Bernina owners around the world.

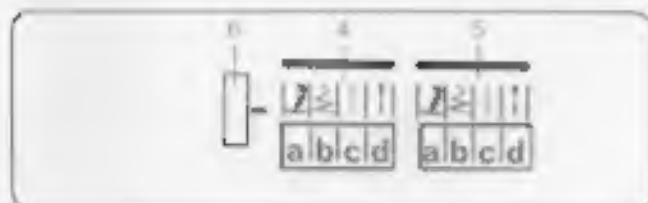
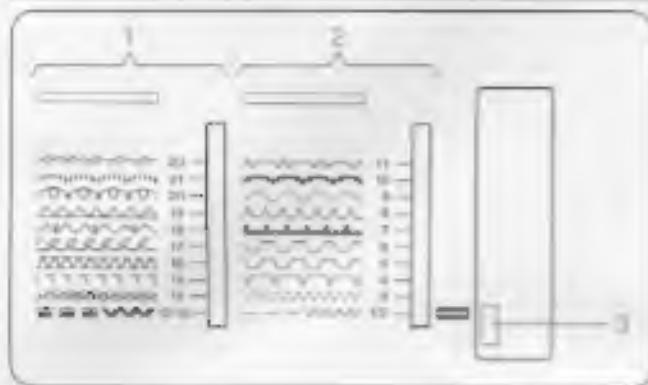
If you require any further information about your sewing machine or sewing in general, please do not hesitate to contact your Bernina dealer who will be delighted to help you.

I wish you very happy and successful sewing.

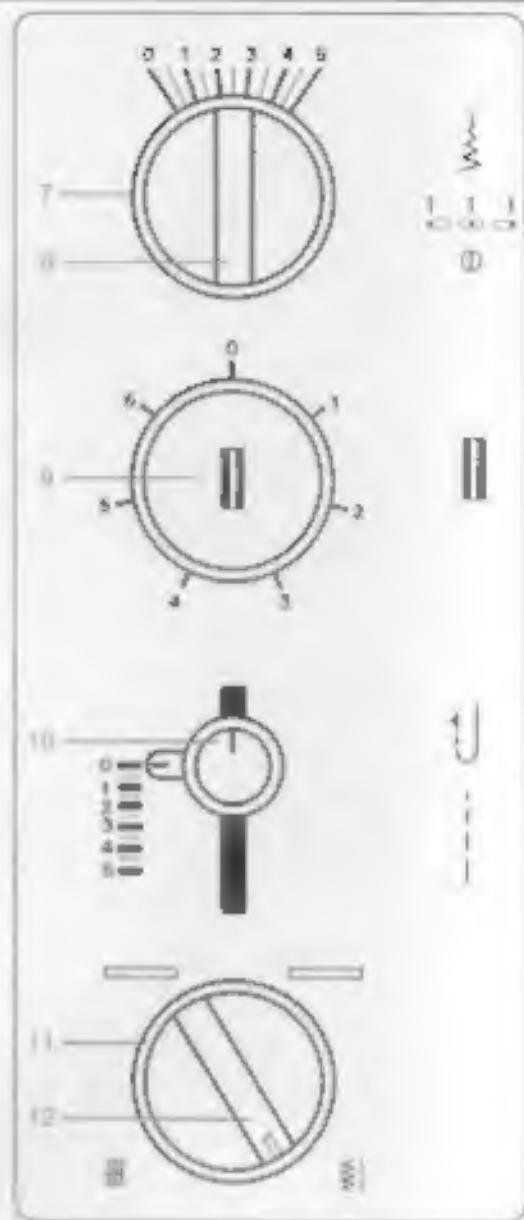
Yours truly,

Hanspeter Mutschler
President

Display / Control panel



- 1 Red stitch programme
- 2 Green stitch programme
- 3 Selector lever
- 4 Basic setting scale, red stitches
 - a Presser foot indicator
 - b Stitch width
 - c Stitch length
 - d Needle position
- 5 Basic setting scale, green stitches
 - a Presser foot indicator
 - b Stitch width
 - c Stitch length
 - d Needle position
- 6 Pattern indicator
- 7 Stitch width knob
- 8 Needle position knob
- 9 Buttonhole knob
- 10 Stitch length knob
- 11 Red-Green stitch programme selector knob
- 12 Hand dog knob



Details of machine

- 1 Hinged front cover
- 2 Stitch plate
- 3 Presser foot
- 4 Needle clamp
- 5 Thread regulator
- 6 Pattern indicator
- 7 Thread take-up lever
- 8 Pre-tension stud
- 9 Thread tension slot
- 10 Adjusting knob for thread tension
- 11 Basic setting scale
- 12 Red stitches
- 13 Green stitches
- 14 Selector lever
- 15 Bobbin spindle
- 16 Engaging lever for bobbin winder
- 17 Handwheel
- 18 Stitch width knob
- 19 Needle position knob
- 20 Power switch
- 21 Buttonhole knob
- 22 Stitch length knob
- 23 Socket for foot control unit/ socket for mains cable
- 24 Securing pins for sewing table
- 25 Indicator for stitch programme (RED-GREEN)
- 26 Stitch programme selector knob
- 27 Selector knob for sewing/darning
- 28 Thread holder pins
- 29 Supplementary thread guide
- 30 Carrying handle
- 31 Thread guides
- 32 Presser foot lever
- 33 Thread cutter



Setting up the
sewing machine

1

Threads
Needles
Presser feet
Practical stitches
Decorative stitches

9

Practical
sewing

17

Troubleshooting
Maintenance

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Setting up the sewing machine

Cover, Accessories



Cover, accessories

The cover protects the machine from dust and dirt.

The outside pocket provides storage for the instruction manual, foot control and cable.

The machine is very easy to carry with the practical, retractable handle.

Standard accessories

6 bobbins
Needle assortment
Ruler/template
Seam ripper
Small screwdriver
Special screwdriver
Bobbins holder
Cleaning brush
Oiler, filled
Seam/quilting guide
Reverse pattern tool
Overlock foot
Blind stitch foot
Buttonhole foot
Zip foot
Darning foot
Darning ring



Accessories box

The accessories are neatly stored in the accessories box (Fig. 2).

Fitting the accessories box onto the machine

The accessories box has two fixing lugs that fit into the base plate of the machine.

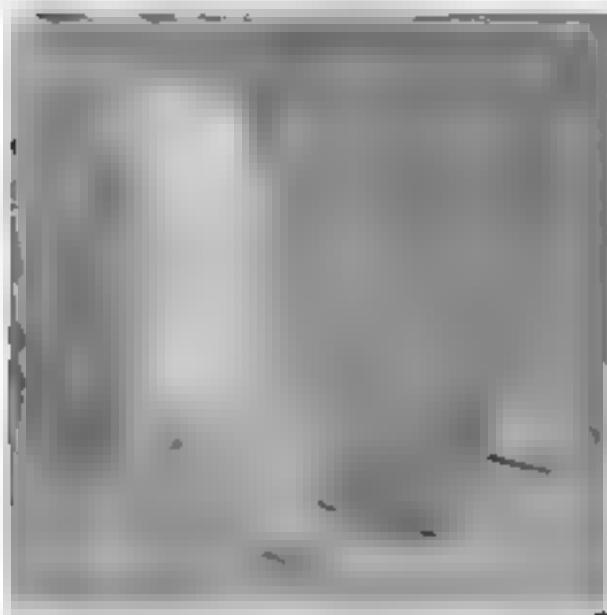
Removing the accessories box

Simply push the accessories box backwards (Fig. 3).

Lay the accessories box onto the base plate from the rear and press against the free arm until the fixing lugs engage in the holes provided (Fig. 4).

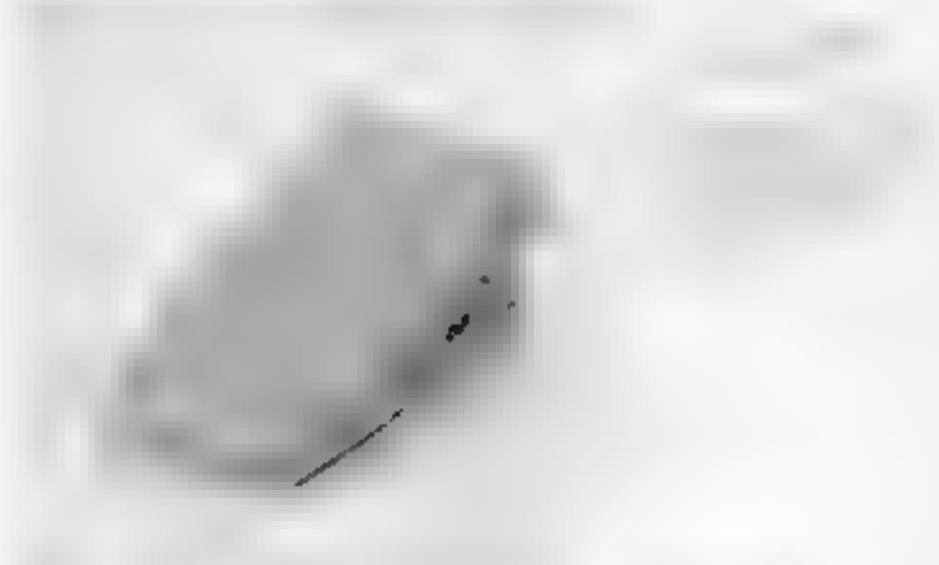


Mains cable, foot control unit, sewing light, power switch

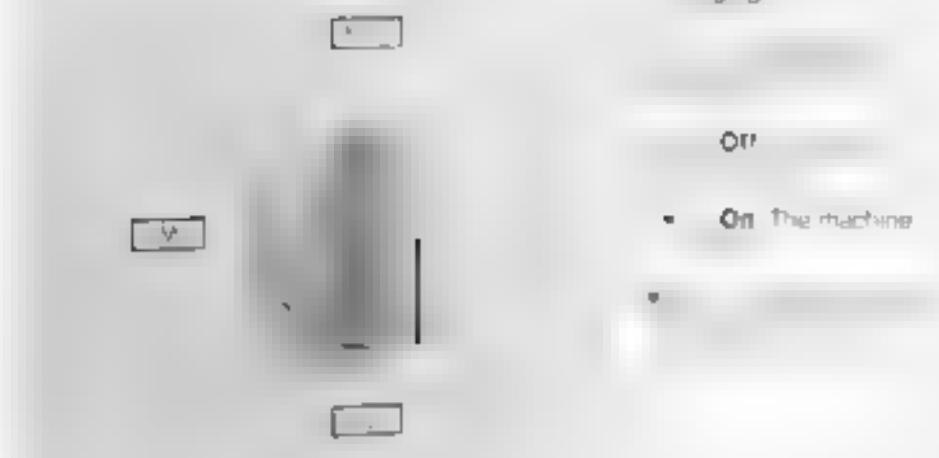


Connecting mains cable
and foot control unit

Foot control unit



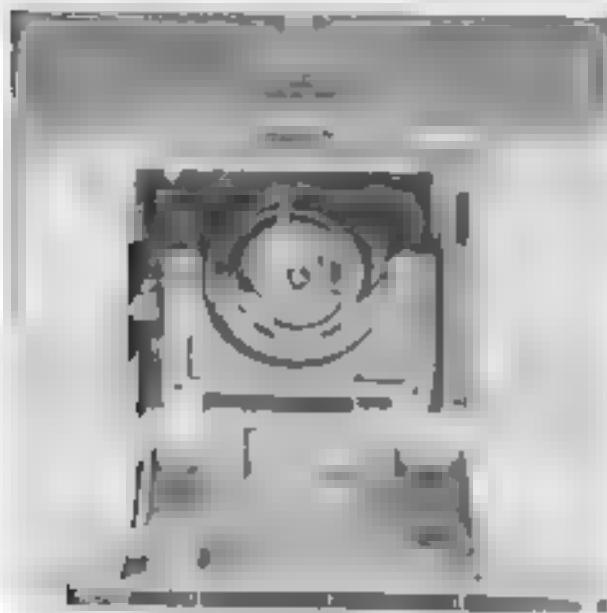
Power switch
Sewing light



Off

On The machine

Bobbin case and bobbin, winding lower thread



Removing the bobbin case

WARNING:

Please refer to the safety notes 1-6.

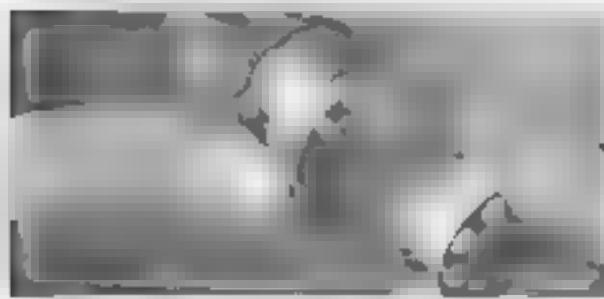


Winding lower thread

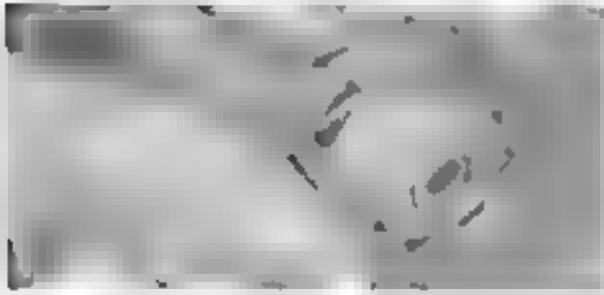
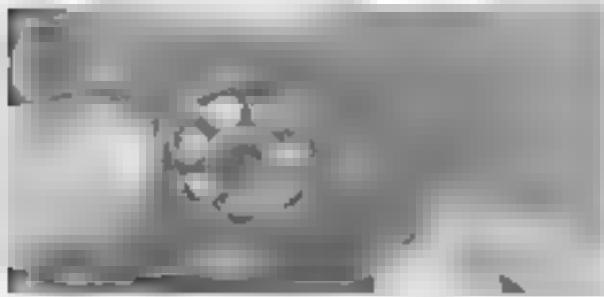


To remove the bobbin, cut the thread by pulling it to the left.

Inserting the bobbin



Inserting the bobbin



Hold the case with the right hand



Inserting the bobbin case into the hook

Hold the bobbin case by the case with the index finger and thumb of the right hand.



Inserting the bobbin

case into the hook

Hold the bobbin case by

the case with the index

finger and thumb of the

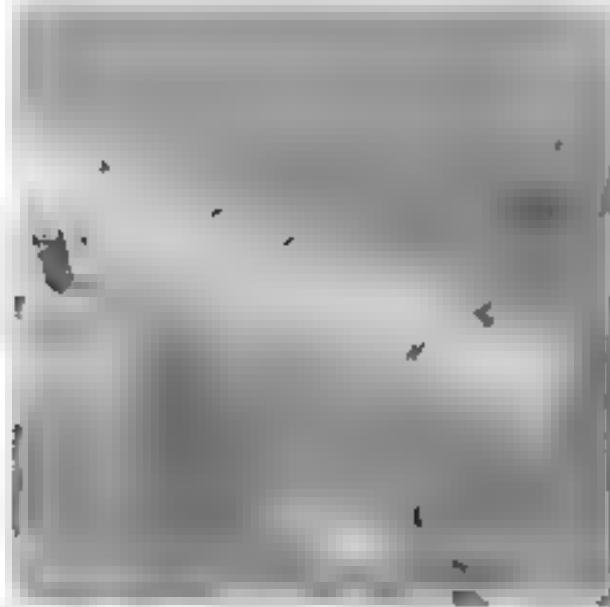
right hand.

Threading the upper thread

Threading the upper thread

WARNING:

Always use the correct thread.



Supplementary thread guide on handle

Bringing up the lower thread, thread tension, feed-dog



Bringing up the lower thread

Hold the end of the lower

thread and pull it through the eye of the needle. Then pull the thread down through the slot in the needle plate and up through

instead of using the needle stop, the lower thread can also be brought up by turning the

needle stop to the middle position. In this case the upper thread must be tied with the left hand.

Thread tension

Turn the regulating dial clockwise to 10 until a slight tension is felt.

Setting
The thread must be tensioned evenly and the upper and lower threads must not catch on each other.

Turning the regulating dial clockwise to 10 or 6 or 8 gives a greater upper thread tension.

Loosening the thread tension should be done when the work is finished.

Lowering the feed-dog

For certain types of sewing, e.g. for clamping the work, it must not be moved by the feed. Therefore the feed-dog must be lowered. By turning the knob to the left until the arrow points to the symbol  (Fig. 3).

For all normal sewing, the

point to symbol 

To remove the work, raise the presser foot, pull work off to the left, let and hook both threads into the thread cutter. The thread ends free themselves when you start sewing again.

Inserting the needle, changing presser feet



Inserting the needle

A small brown screw driver for slackening or tightening the needle grip is provided at the

Set the power switch to the position. Check that the needle is in the

To slacken the needle grip, pull a small

Tighten the needle clamping screw securely

WARNING:

Please refer to the Safety instructions

To insert the needle. The needle grip should always be

Changing presser feet



on the correct choice of presser foot. The presser foot are either solid or

Check that the needle is in the raised position

Raise the presser foot (Fig. 2)

With the right finger of the right hand and using the middle finger and thumb remove the

To attach the presser

the procedure is the

it out close to

slipping lower down

wards with the index

finger (Fig. 4)



Threads
Needles
Presser feet
Practical stitches
Decorative stitches

Feed-dog and fabric feed

1 Feed-dog and stitch length

a

With an extremely short stitch length, the steps are extremely short. The fabric moves under the presser foot slowly. For example, buttonholes and satin stitching are sewn with this short stitch length.

2 Feed-dog and fabric feed

b

3 Feed dog and the sewing of corners



Important

a Make sure that the topic

b If the presser foot is tilted

or tilted, the feed dog will be unable to grip the fabric. The work will stick.

at a certain angle of about 15 degrees and that the angle of the feed dog will remain constant.

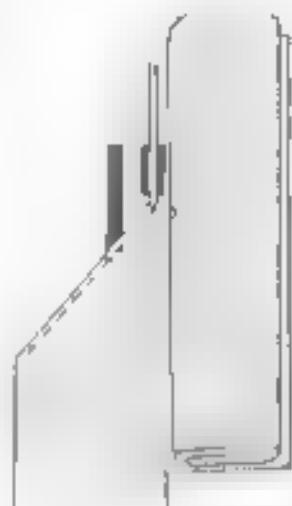
Result in a gap

at a certain angle of about 15 degrees and that the angle of the feed dog will remain constant.

Holding back will result in

stitch skipping

Place a piece of fabric neatly across



Threads and needles

The importance of the sewing machine needle

Needles and the sewing machine

Your RFRINA has a 30/705 H needle system. Make sure, when buying new needles that they are the 30/705 H.

Needles and thread

The needle size required depends on the thread selected. The needle must match the thread.

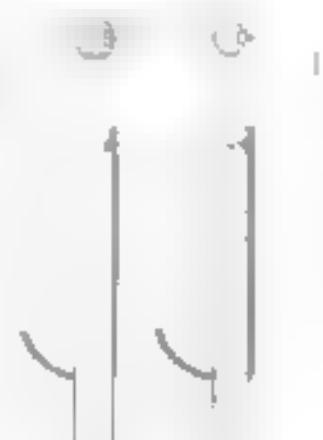
Needle and fabric Needle condition

The needle must be in perfect condition. Sewing problems are caused by

Opposite applies. The finer the thread, the higher the number.

not fitting the groove (Fig. 2) and skipped stitches will result.

This table shows which needle should be used with which thread.



Needle Thread Table

Sewing Embroidery thread 60

Embroidery thread 30

Mercerised cotton sewing thread

Synthetic sewing thread

Mercerised synthetic
Buttonhole thread for top stitching

Special needles

$\mathbf{0}$	$\mathbf{0}$	$\mathbf{0}$	$\mathbf{0}$
$\mathbf{0}$	$\mathbf{0}$	$\mathbf{0}$	$\mathbf{0}$
$\mathbf{0}$	$\mathbf{0}$	$\mathbf{0}$	$\mathbf{0}$
$\mathbf{0}$	$\mathbf{0}$	$\mathbf{0}$	$\mathbf{0}$
$\mathbf{0}$	$\mathbf{0}$	$\mathbf{0}$	$\mathbf{0}$

Table of needles

Standard needles

Specia. needles

30 *THE HISTORIAN*

Digitized by srujanika@gmail.com

$$y_{i,j} = f(t) \gamma_{i,j} + \eta_{i,j}$$

+30 705 H-L or
M-L R

Presser feet

Presser feet are an important aid to sewing.

1



2



3



Reverse pattern foot

For practical stitching
and decorative stitching

Overlock foot

Buttonhole foot

4



5



6



Zip foot

Blind stitch foot

For darning
and blind stitching

Darning foot

For hand embroidery
and hand appliqués

Range of applications

Green practical stitches

1 Straight stitch



2 Zig-zag stitch



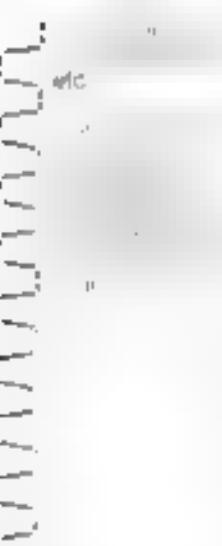
3 Sewn-out zig-zag



4 Blind stitch



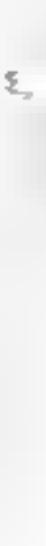
5 Universal stitch



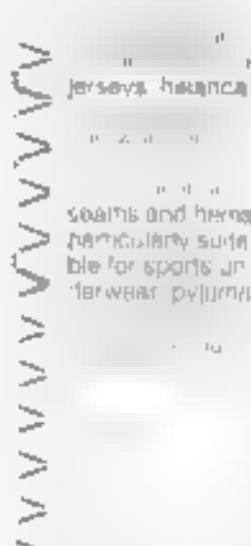
6 Lyra stitch



7 Stretch stitch



8 Vari-overlock



9 Running stitch

For most types of
seams and hemming.
Framing with run-
ning stitch, em-
bedding of woven ta-
tic reinforcement

10 Scallop stitch

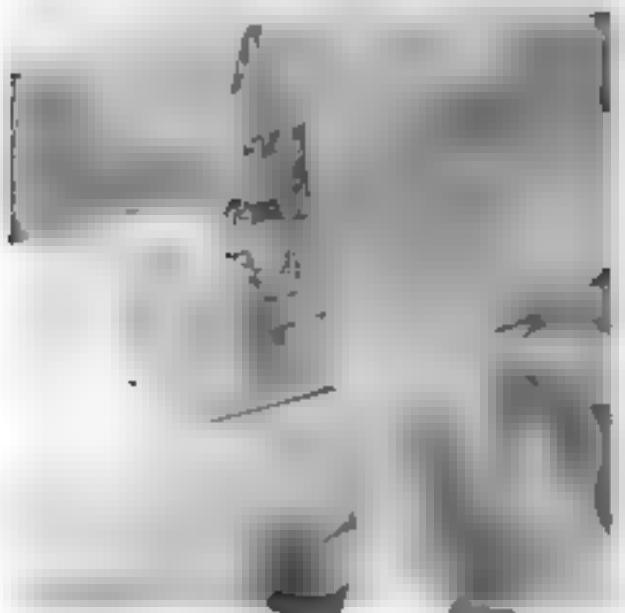


11 Decorative
stitches



Green decorative stitches

Sewing tips



A few hints

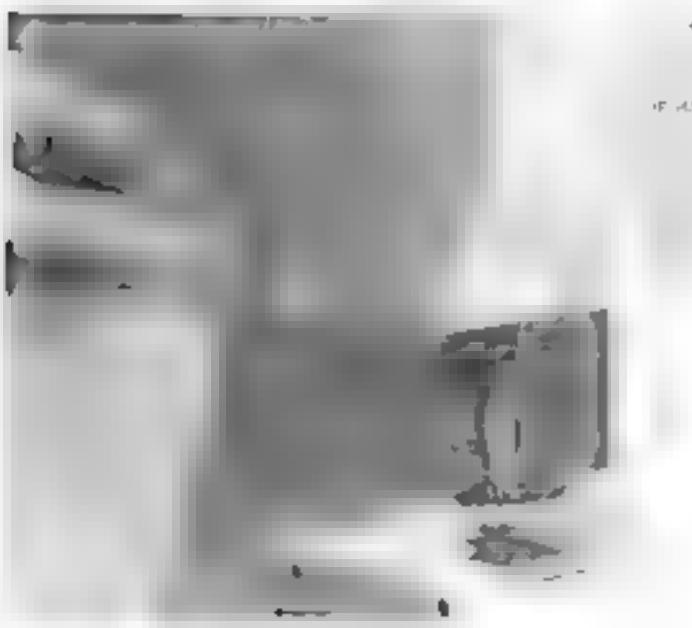
Set your sewing table enough away from the edge of the room so that in

guiding of the work we make sewing easier. Set height of front of the sewing table in front of the sewing area. This will enable you to reach the working area.

Make sure that the height of your chair allows you to work comfortably.

It is best to guide the work from the side with the fingers of the left hand close to the presser foot. When sewing near the work it is better at the 10 stop and

at the 100 mark the work lies beneath the fingers.



Correct the work

if and if you want the

Practical sewing

Straight stitch Needle position

Forward sewing



Reverse sewing



Securing the ends



Stitch width
Needle position

II **Buttonhole**

Stitch length
Normal stitch length is
approx. 2

Colour indicator

Feed-dog

Five needle positions

can be set to left and right
If five positions with 'ho'



Examples of use

1 100 200
0
100 200 300
0 100 200

Zig-zag Satin stitch

Setting zig-zag

Presser foot

lb

Needle position

Feed dog

Align indicator

centre

sewing

Oversewing edges

Stitch: zig-zag

Stitch length: 100 long



Setting zig-zag width and length

The stitch width and length can be altered during sewing if the machine is stopped.

Set the width of the zig-zag stitch with the stitch width knob. It is recommended to start from the left mark. The needle must not be left in the work when the machine is stopped.

almost

Satin stitch = close zig-zag

Right foot

1

Needle

BC

Width width

Stitch length

Set stitch length to very close zig-zag

Turn stitch length knob to the right until it locks.

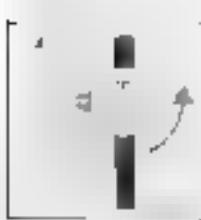
Turn the dial at the top. Stitch length is now

By rotating half a turn to the left mark of the not turn, the basic setting for satin stitch is obtained. Adjust stitch density from

ding to the work. Turn anti-clockwise for thicker

material and clockwise for

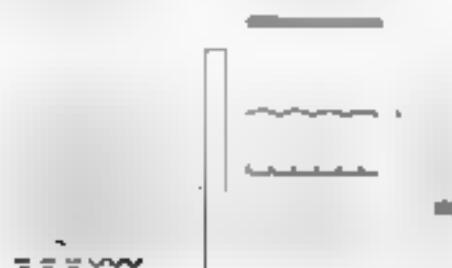
thin



Selecting green stitches

Push the selector lever
to the right to disengage
the green
stitch

Set the colour indicator
to green



Basic setting scale

Examples for choosing a stitch

Universal stitch



Scallop stitch



Running stitch



Vari-overlock



Selecting red stitches



Basic setting scale

Examples for choosing a stitch

Triple straight stitch



Triple zig-zag



Jersey stitch



Double overlock



Sewing knitted fabrics

eg. interlock jersey

fabrics the following points

1 Use a perfect needle
Even a very slightly blunt

2 Use fine sewing thread

Perhaps Coarse thread
can also damage the knit

3 Use gathering thread for
basting. After the seam
has been sewn, gathering
thread is more easily
removed than thin con-
siderably thicker and
stronger fibre basting

4 Press with steam as it
is sewn. This will make
subsequent work easier

5 Sew a sample to test
the stretch of the fabric
the main fabric can be

Neckband with
visible seam

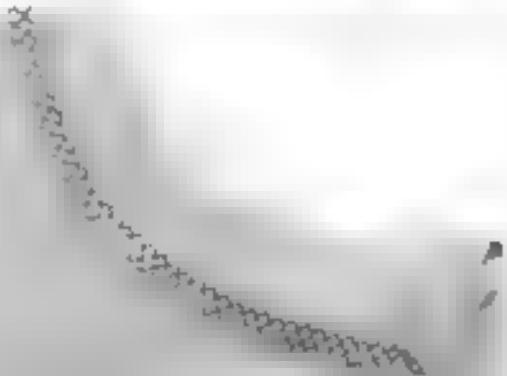
Fabric for knitted col-

Presser

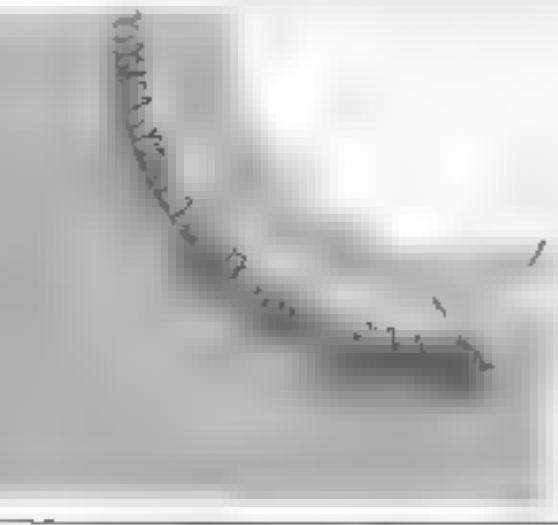
Thread

Needle

Needle position
Feed-dog



Neckband with
overlock seam



Practical stitch hems

Preparation:

Baste the hem. Turn it to the wrong side.

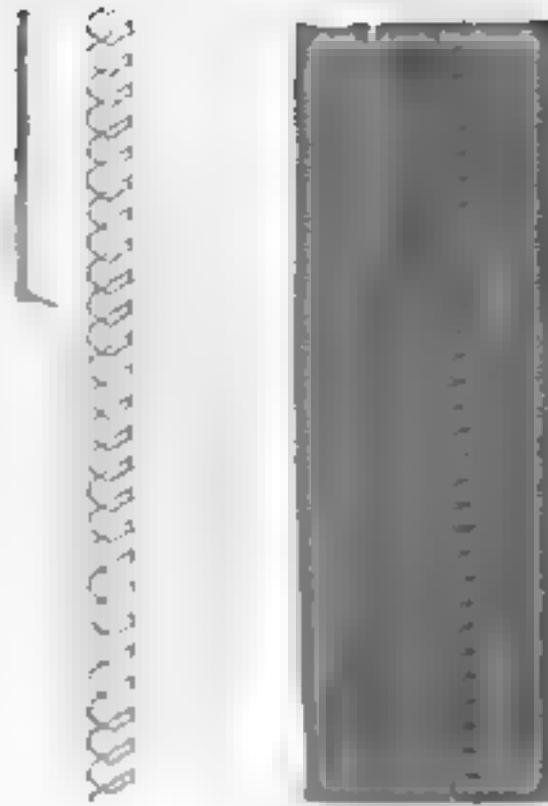
Press the hem.

Turn the hem to the right side.

Press the hem.

Visible hem with

Jersey stitch



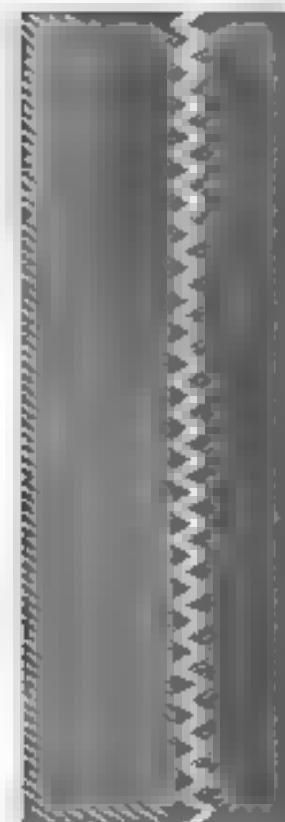
Visible hem with

Velour lock



Visible hem with

Triple zig-zag



Practical stitch seams

Vert-overlock seam

Frostic overlock seam for all fine jersey fabrics

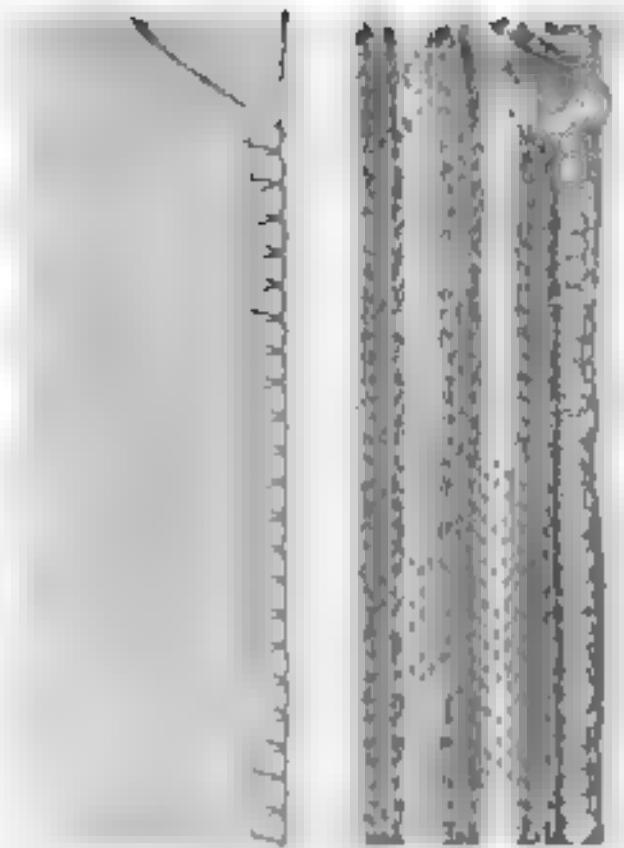
Needle position
Feed freq.
Cutting in step

Double overlock seam

astic overlock seam for
all fabrics in laundry

Pre-1981 Log

frontal width 6
width length 2
Nasalio position centre
width 10



Experiments with *Staph.*

Reinforced overlock seam

፩፻፲፭	፩፻፲፮	፩፻፲፯	፩፻፲፱
፩፻፲፭	፩፻፲፮	፩፻፲፯	፩፻፲፱
፩፻፲፭	፩፻፲፮	፩፻፲፯	፩፻፲፱
፩፻፲፭	፩፻፲፮	፩፻፲፯	፩፻፲፱
፩፻፲፭	፩፻፲፮	፩፻፲፯	፩፻፲፱



Flat seam

Y6 also want to look well-dressed, casual wear crafts also sell throughout Europe.

tracer font
width
Select width
tracing length
Needle position
color indicator

Remember

For sewing knitted fabrics see page 22.

Zips Plastics/leather

Zip fastener
Inserted flat

Plastics



Preparation

1).
2).
3).
4).
5).
6).
7).
8).
9).
10).

LEATHER and imitation leather

ble to
1).
2).
3).
4).
5).
6).
7).
8).
9).
10).

Seam/quilting guide

Sewing with seam quilting guide

Insert the seam quilting guide and the centre of
the quilt between the rows of sewing



Blind hemming



Important

As with hand sewing, fine results require a fine needle and fine thread.

Preparation

The hem should be prepared in the same way as for sewing by hand. Oversew raw edge, baste and press.

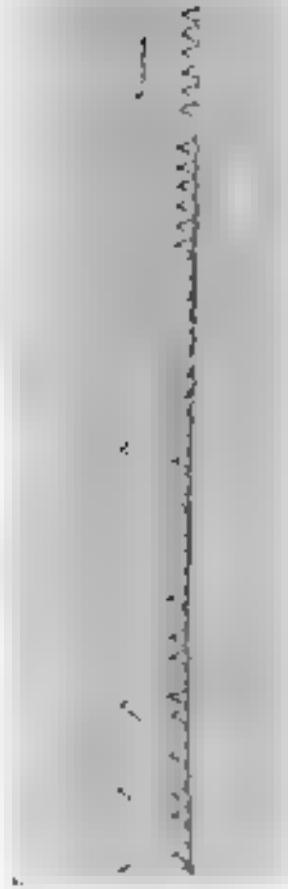
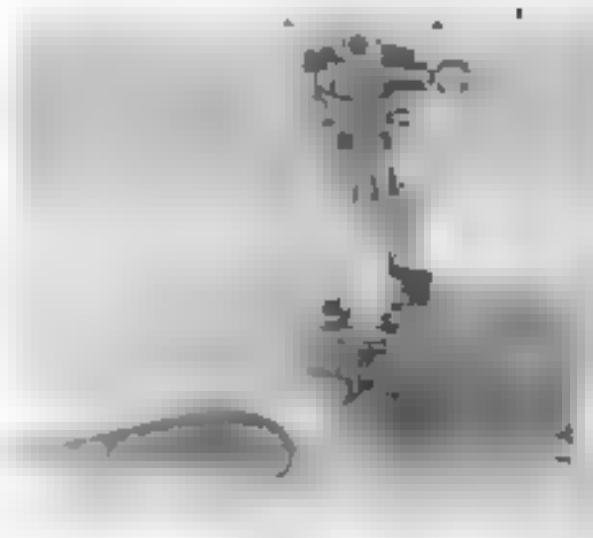
Positioning the hem

Under the foot as shown

Sewing test

Either on a sample of fabric or directly on the hem. Give the machine time to break in. It is advisable to sew a test piece first. As when sewing by hand, the needle should only catch the fold of the fabric. The width of the zig-zag varies slightly. A slight adjustment may be necessary. Set the needle position to right or half right. Sew slowly until the needle swings to the left. Using the handwheel bring the needle down until it is just about to enter the fabric. If necessary, adjust the stitch width slightly. Narrower if the needle is going in too far and a little wider if it is failing to

check the next zig-zag stitch in the same way. Then sew for approximately 10 cm. \wedge and check again.



Guiding the work

straight! Tip: While sewing, hold the under fabric back slightly (Fig. Z)



Edge stitching using the needle position

1. $\frac{1}{2}$ " ip off " mm "

2. 1/2

3.

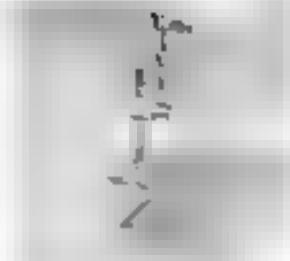
4. 1/2

5. 1/2

the guide of the blind

1/2
Dresser tool or along the

Widths



Buttonhole



Stitch length
Needle position
Feed-dog
Widow indicator

To sew buttonholes
thread the lower thread
through the finger of the
button case. Fig.



Sewing buttonhole

Fig. 2)

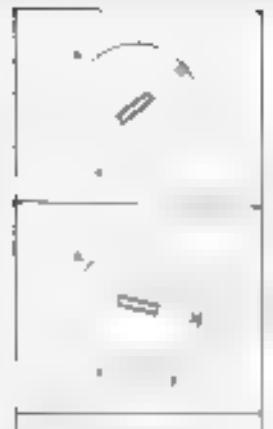
the basic stitch
setting for buttonhole is
obtained.

Set the stitch density as
according to the fabric. Turn
up 1/2 turn to the left for
fabrics clockwise for
heavier fabrics.
Always sew in the

The stitch length will vary
slightly depending on the
fabric.

Sewing the buttonhole

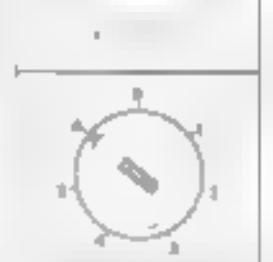
end of the buttonhole and
check that it is in the
centre
End
If not do one stitch by
turning the knob to the



the machine sews
to the feed fur
wards



Knob 10 5
the right the sews
to the feed



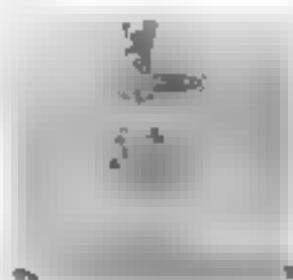
Knob 10 6
The machine sews
the securing stitch

2. set stitch length
With knob to the right in
10 turns. The mark will
be at the top. Fig. 3
Stitch length is 0. By turn-
ing half a turn to the
left mark at the bottom.

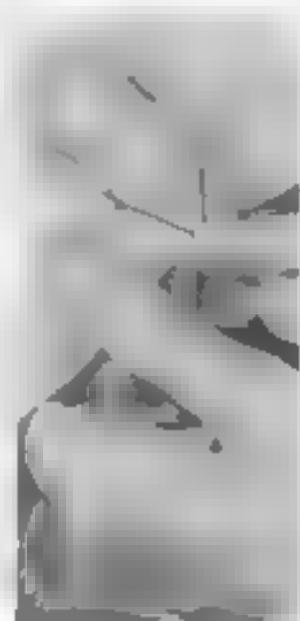


Lay the fabric under the
foot so that the edge of
the fabric lies in front
the presser foot. Fig. 4
Now the needle pierces
the fabric precisely at the
start of the buttonhole
over the presser foot
and sew the buttonhole.

Further buttonholes



Cutting the buttonhole open



With gimp cord

Buttonhole with
gimp cord

if not
if

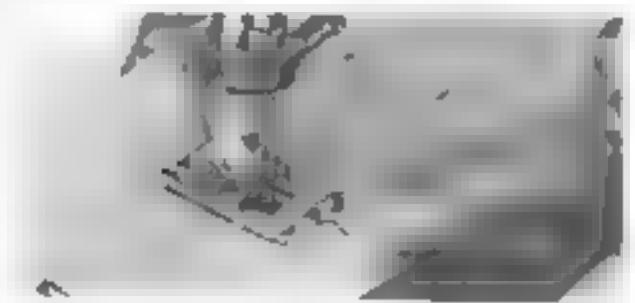
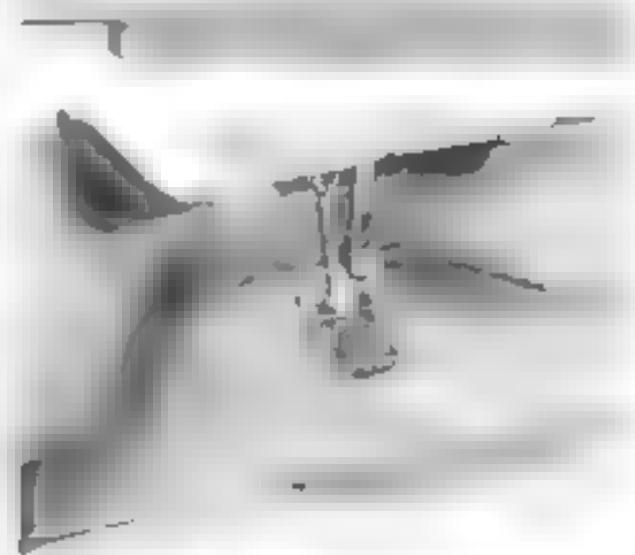
if not
if

if not
if

if not
if

Depends on the width of
the buttonhole

Sewing with
gimp cord

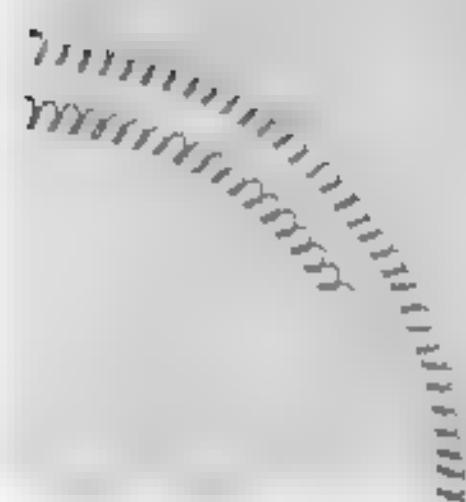


Mending interlock fabric

Patching using jersey stitch

Edging with shirring elastic

• 10 cm x 10 cm



shirring elastic along the
edge and overview



Mending woven fabric

Mending tears using Running stitch

0.0
0.2
0.4
0.6
0.8

0.0
0.2
0.4
0.6
0.8

Stitch

Stitch width

0.0

Needle position

Stitch indicator

0.0 0.2 0.4 0.6 0.8 1.0

Patching with Running stitch

for overalls and children's
clothing

darling thread - Macaron

80

Always lay a line tight
 underneath. On this
 new 3-5 rows of Running
 stitch, depending on the
 size.

In the areas, sew with
 four different rows to
 cover, and each row
 overlap the previous one
 very slightly.

1st step

edge with a small zig-zag

2nd step

approx. 1/4

and that the needle
 its right swing just
 to the edge of the

3rd step

Sew a straight stitch on

make it easier to cut away



Darning

Principles of darning

- Use the feed-dog
- Use the sewing table
- Use the machine

It is much more important

Recommendation

When darning or embroidery, try to keep the darning as easy as possible.

Move the ring back,wards and forwards with

only minor slips and

it need breakage will

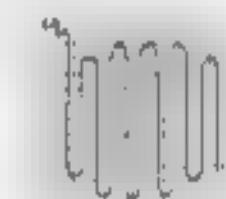
- Always work from left to right, moving up and down over the hole. Do not move the ring from side to side.
- The ideal way to hold the ring is with the thumb and fingers to the outside of the ring, held firmly to give a good grip.

Thread

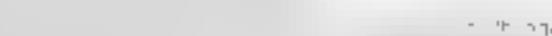
Darning thread

Machine

Darning technique



The three steps



Finish at the top of the fabric.

Light but not too tightly that a ridge forms at the

end of the row. The stitching will be in the same direction so that the

Fabric is guided too

Small knots form on the

Fabric is guided too slowly

the darning begins so that the darn blends into the fabric.

Main faults

read the darning breaks
Fabric is guided unevenly
stitching is unattractive

Fabric is guided too

Small knots form on the

Fabric is guided too slowly

Darning with small darning ring

The small darning ring

The small darning ring is particularly practical for mending small torn worn areas in the fabric of fine underwear of all kinds like socks and pullovers, e.g. in Hanes.



Stretching the work

Fit the darning ring without the spring clip on the free arm (Fig. 1). Slide the garment over both the free arm and the ring only. Push the darning ring out as far as possible to the left.



'Use the index finger and thumb of the left hand'

thumb of the left hand (Fig. 2)



'With the left hand, hold the garment with the thumb and index finger'

Darning technique

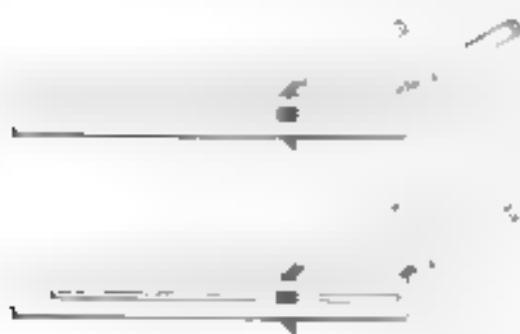
Tubular items are usually darned from the inside out. It is not possible to turn the

Ruler / Template for buttonholes, hems, pleats etc.

The ruler template is extremely versatile and simple. Using the red slide, the required size can be set with millimetre accuracy.



a Using the edges when lines are required



b Using the small holes when dots are required

Examples

1. Marking at intervals
For buttonholes, buttons, buttons, pleats etc.

Set the desired space with the red slide
Transfer dots or lines to the work



2. Calculation of buttonhole lengths

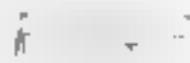
Button + 2-3 mm (1/8")

fancy buttons
Button + 5-8 mm



3. Marking of buttonholes

Transfer buttonhole length to the garment



4. Marking of hem depths

Set the desired hem depth with the red slide
Transfer the red slide

Mark the hem depth



5. Marking sewing lines

Set the desired width with the red slide against the edge
Transfer the red slide against the edge
Add the sewing line



Troubleshooting Maintenance

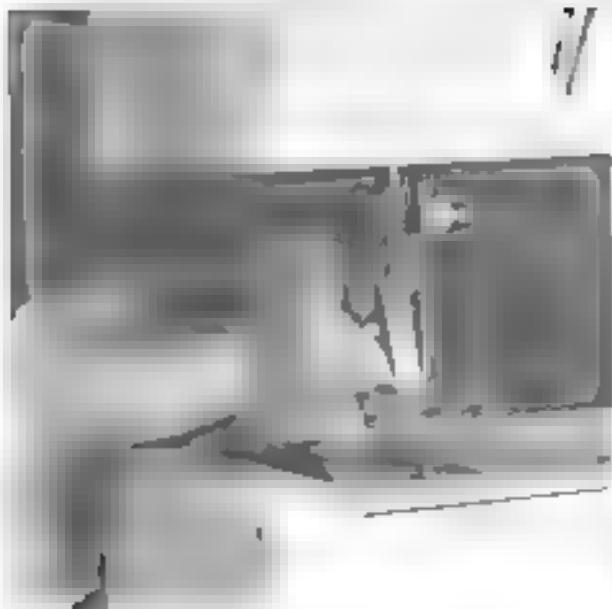
Fault prevention

Skipped a flight.

Important

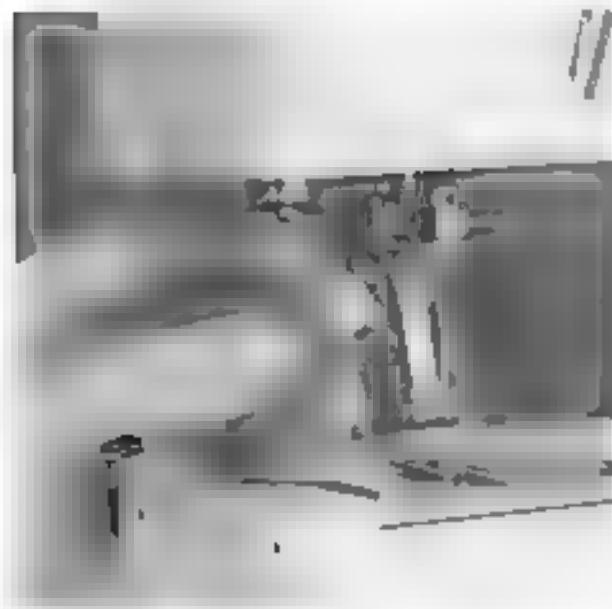
If you have to take your
medicine in a 30 MIN
doser please always
take the "Dose" you want

Changing the bulb

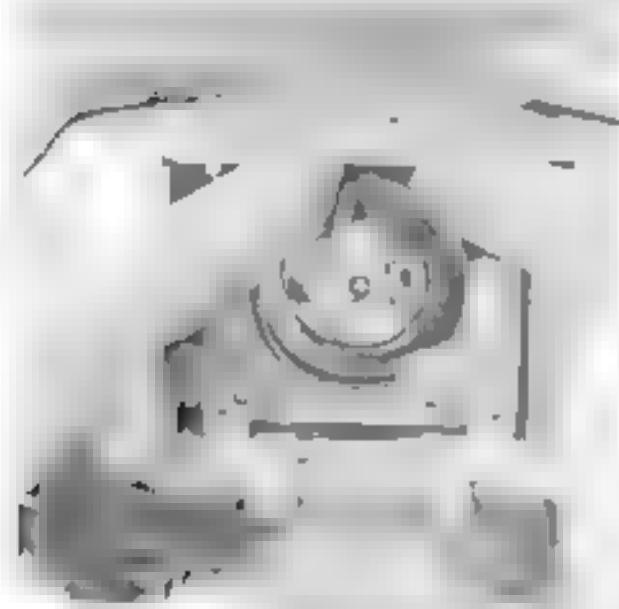


WARNING:

Changing the bulb

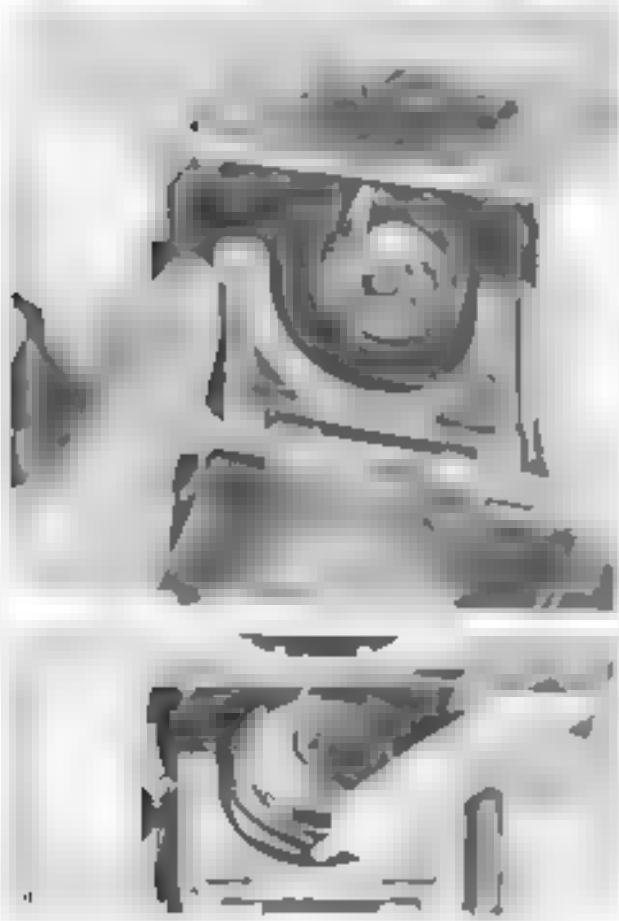
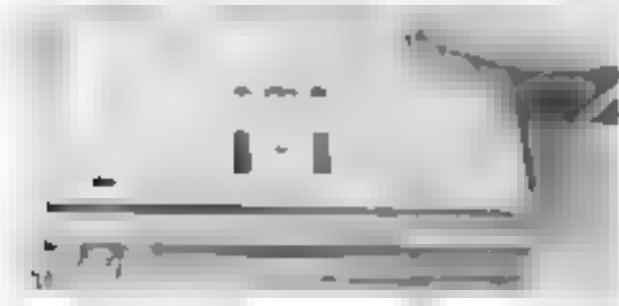


Maintenance: Cleaning and oiling

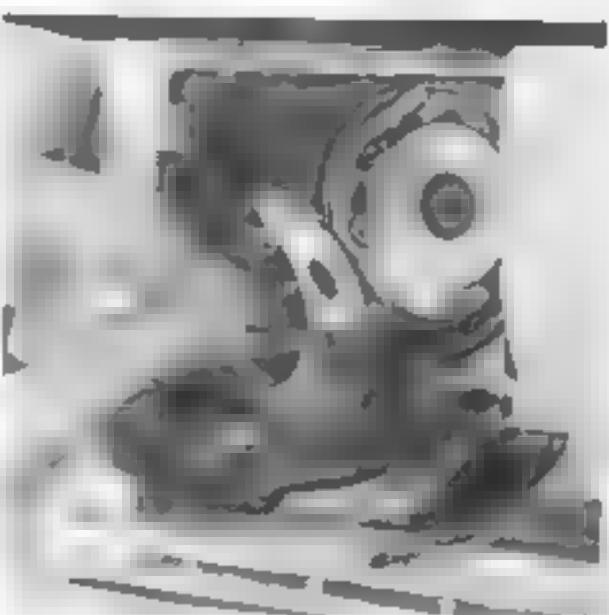


To clean and oil
the hook

Cleaning



WARNING:



Bernina publications

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•

Sewing Service Leaflets

Bernina Creative Sewing

Bernina Collection

These booklets deal with

full Bernina regularly
publishes new no

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WARNING:

Before using your sewing machine, please read the Safety Instructions

The right to make constructional changes differing from text and illustrations reserved.

Sollte diese Maschine in ein anderes Sprachgebiet verkauft werden, fordern Sie beim nationalen Importeur oder Bernina-Händler eine Bedienungsanleitung in der entsprechenden Sprache an.

If this machine has been purchased in a foreign country, please request an instruction manual in your own language from the national importer or a Bernina dealer.

Si cette machine est vendue dans une autre région linguistique, demandez à l'importateur national ou à l'agent Bernina, un manuel d'instructions dans la langue correspondante.

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